

● PRINTER RUSH ●
(PTO ASSISTANCE)

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| From: | MWJ | Location: | IDC FMF FDC |
| | | GAU : | |
| | | 1623 | |
| | | 8/4/05 | |
| | | Tracking #: 06088994 Week Date: (3/21/05) | |

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| <input checked="" type="checkbox"/> OATH | 10-15-01 | |
| <input type="checkbox"/> 312 | _____ | |
| <input type="checkbox"/> SPEC | _____ | |

[RUSH] MESSAGE:

(1) The declaration identifies the inventors by family name and at least one full given name without approximation. Inventor's signature is required per 37 CFR 1.63(a)(2). Please advise.

THANKS

[XRUSH] RESPONSE: See attached.

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INITIALS: KAT

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.
REV 10/04

Application Serial No.: 09/832,626
Docket No.: 294-52 CIP/RCE (0245)

DATE: August 17, 2005

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(12) **United States Patent**
Visser et al.

(10) Patent No.: **US 6,551,827 B1**
(45) Date of Patent: **Apr. 22, 2003**

(54) **METHODS FOR PRODUCING AND TRANSFORMING CASSAVE PROTOPLASTS**

(75) Inventors: Richard Gerardus Franciscus Visser, Beunekom (NL); Christiaan Josef Johannes Ruemakers, Arnhem (NL); Evert Jacobson, Wageningen (NL); Johann Ellsabeth Maria Bergervoet van Deelen, Renkum (NL)

(73) Assignee: Coöperatieve Verkoop- en Productievereniging, Ja Veenendaal (NL)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(22) PCT Filed: May 20, 1997

(86) PCT No.: PCT/NL97/00285

§ 371 (c)(1),
(2), (4) Date: Feb. 1, 1999

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(30) **Foreign Application Priority Data**

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(52) U.S. Cl. 435/421; 435/430; 435/430.1;
435/420; 435/410

(58) Field of Search 800/284; 435/421,
435/430.1, 430, 420, 410

(56) **References Cited****U.S. PATENT DOCUMENTS**

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(List continued on next page.)

Primary Examiner—Bruce R. Campbell

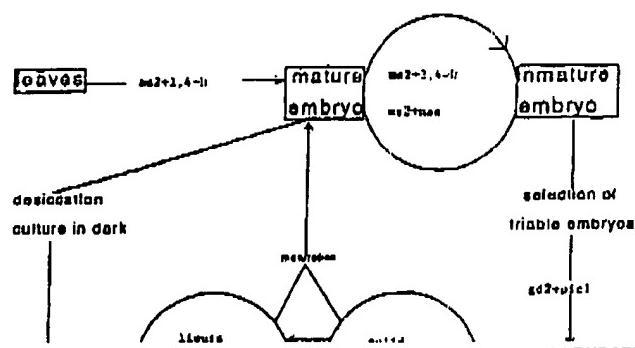
Assistant Examiner—Anne Marie Gruberberg

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(57) ABSTRACT

The invention relates to a method for producing protoplasts of cassava or closely related species, which protoplasts are capable of regeneration into plants. The method comprises producing friable embryogenic callus from explants of cassava or closely related species and isolating protoplasts from said friable embryogenic callus. The invention also concerns protoplasts obtainable by said method. The invention further relates to a method for transforming such a protoplast of cassava or closely related species, and transformed protoplasts obtainable thereby. In addition, the invention concerns a method for regenerating plants from these protoplasts and a cassava plant or closely related species obtainable thereby.

9 Claims, 1 Drawing Sheet





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** CONTINUING DATA *****

This application is a CIP of 09/180,481 02/01/1999 PAT 6,551,827

** FOREIGN APPLICATIONS *****

EUROPEAN PATENT OFFICE (EPO) 96201424.7 05/20/1996
NETHERLANDS PCT/NL97/00285 05/20/1997

IF REQUIRED, FOREIGN FILING LICENSE GRANTED **

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| 35 USC 119 (a-d) conditions met | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance | | | | |
| Verified and Acknowledged | Examiner's Signature _____ Initials _____ | | | | |

ADDRESS

23869

TITLE

METHODS FOR PRODUCING AND TRANSFORMING CASSAVA PROTOPLASTS

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